

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number
WO 2004/087157 A2

- (51) International Patent Classification⁷: **A61K 31/454**,
31/4375, 31/438, 31/55, 38/05, 31/437, 31/4985, 31/4164,
31/4709, 31/277, 31/00
- (21) International Application Number:
PCT/GB2004/001435
- (22) International Filing Date: 1 April 2004 (01.04.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0307863.1 4 April 2003 (04.04.2003) GB
- (71) Applicant (for all designated States except US): **MERCK
SHARP & DOHME LIMITED** [GB/GB]; Hertford Road,
Hoddesdon Hertfordshire EN1 1 9BU (GB).
- (72) Inventor; and
(75) Inventor/Applicant (for US only): **CASTRO PINEIRO,**
Jose, Luis [ES/GB]; Terlings Park, Eastwick Road, Harlow
Essex CM20 2QR (GB).
- (74) Agent: **BUCHAN, Gavin, MacNicol**; Terlings Park, East-
wick Road, Harlow, Essex CM20 2QR (GB).
- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.
- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished
upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: COMBINATION THERAPY FOR ALZHEIMER'S DISEASE

(57) Abstract: There is disclosed the treatment or prevention of diseases involving deposition of beta-amyloid in the brain, e.g. Alzheimer's disease, via the combined administration of a growth hormone secretagogue and a PDE4 inhibitor.